
North America's Leader in Hazardous Material Information Management
1905 Aston Avenue, Carlsbad, CA 92008
Phone (800) 451-8346 Fax (760) 602-8888

MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☒ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Akzo Nobel Salt, Inc.

Product Name: Diamond Crystal Red Out Rust Remover Water Softener Salt Pellets



Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets

Akron, OH, Cape Canaveral, FL, Marquette, MI, St. Clair, MI, Timpan, UT and
Watkins Glen, NY production

Description

Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets, which contain a rust removal additive for resin bed water softeners, help provide rust-free softened water. Normal use of Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets helps prevent rust discoloration on tubs, toilets, sinks, dishes, cookware and laundry. The use of Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets results in cyclic cleaning of iron-fouled resin beds. This increases resin efficiency and thereby can reduce the overall operating cost for clear, clean, softened water. Unlike other resin cleaning agents, which have to be added separately to the prime tank, the Red-Out® formula is distributed throughout the salt. This convenience continuously delivers its cleaning action cycle after cycle, to assure continuous and uniform operating efficiency.

Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets are pillow-shaped pieces of compacted, high purity sodium chloride designed for regeneration of home water softening units. Under normal use, the specific size, shape and density of this product eliminates mushing, bridging and channeling to provide excellent percolation. The high purity of Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets produces a virtually 100% soluble product. This eliminates messy tank cleaning and provides for efficient operation of the unit.

Approved Use

Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets can be used in most types of water softeners. This product is designed for use where iron fouling is a problem. Do not use with Chlorine-type cleaners. Always wash hands after contact with this product to avoid the possibility of mild skin irritation.

Availability

Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets are available in 25 lb (11.3 kg), 40 lb (18.1 kg), 60 lb (27.2 kg) and 80 lb (36.2 kg) net weight, poly bags.

Storage

To retard caking, Diamond Crystal® Red-Out® Rust Remover Water Softener Salt Pellets should be stored in a dry, covered area at relative humidities below 75%. Cycling salt through the 75% relative humidity zone will rapidly increase the onset of caking.

Technical Information

For further product information, contact the Director of Technical Service, Akzo Nobel Salt Inc., Abington Executive Park, Clarks Summit, PA 18411, by phone 717-587-9241 or FAX: 717-586-7792.

PD 5703
05-95

Properties

Chemical

Analysis ⁽¹⁾		
Component	Units	Typical
Sodium Chloride ⁽²⁾	%	99.5

Physical

Siege Analysis ⁽¹⁾		
US Mesh	Opening Inches	Percent Retained (Typical)
1/4 in	0.250	95

(1) Analytical method available on request. (2) By difference of impurities. Measure Free acid, before addition.

Customer Service

For order, pricing, delivery or other service information, contact one of the following Customer Service Offices:

CUSTOMER SERVICE	800-377-1017	FAX: 800-377-1027
AFTER HOURS - MESSAGES	800-377-1029	
EXPORT	717-587-9725	FAX: 717-586-1955
AKZO NOBEL SALT INC.	717-587-6131	FAX: 717-586-6378

MATERIAL SAFETY DATA

SECTION I

MANUFACTURING NAME: Akzo Nobel Salt Inc.
ADDRESS: Abington Executive Park, Clarks Summit, PA 18411

EMERGENCY PHONE: 717-587-9241
DATE PREPARED: 05-01-95
BY: T. E. Commer, Director-Technical Service
FORMULA: Mixture
HMIS = 100(8)

CHEMICAL NAME: Sodium Chloride (salt, halite, solar salt, rock salt)
TRADE NAME: Diamond Crystal® Red-Out® Rust Removing Water Softener Salt Pellets
CHEMICAL FAMILY: Inorganic Salt (alkali metal - halogen)

SECTION II - HAZARDOUS INGREDIENTS - NONE

CAS REGISTRATION NUMBERS = Contains sodium chloride (7647-14-5), phosphoric acid (7664-38-2), benzene 1,1-oxybis(tetrapropylene derivatives, sulfonated, sodium salt (119345-04-9), sodium sulfate (7757-82-6), sodium salt condensed naphthalene sulfonic acid (9084-06-4), sodium hexametaphosphate (68915-31-1) and demineralized water (7732-18-5).

SECTION III - PHYSICAL DATA (SALT)

BOILING POINT (°C) @760 mm = 1465
VAPOR PRESSURE (mm Hg) @746.9°C = 2.4
VAPOR DENSITY = NA
SOLUBILITY IN WATER (g/100cc) = 35.7 @0°C, 36.0 @20°C
APPEARANCE & ODOR = Solid white or off-white crystalline material is odorless

SPECIFIC GRAVITY (H₂O = 1) = 2.165
%VOLATILE (By Volume) = NA
EVAPORATION RATE = NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT = NONE
FLAMMABLE LIMITS = Not Flammable
SPECIAL/UNUSUAL FIRE FIGHTING PROCEDURES/HAZARDS = NONE/Not Combustible
NATIONAL FIRE PROTECTION ASSOCIATION CODE = 000

EXTINGUISHING MEDIA = NA
EXPLOSIVE LIMITS = Not Explosive

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUES = Rats: Oral LD₅₀ = 3.75 g/kg; MLD I.V. = 2.5 g/kg
EFFECTS OF OVERDOSE OR OVEREXPOSURE = No acute systemic, chronic systemic or chronic local toxicity. In sensitive persons some dermal or eye irritation effects, or after excessive ingestion, edema and/or temporary elevated blood pressure effects. Savage ingestion of 15-50 g may induce vomiting resulting in partial vacating of stomach contents.
EMERGENCY & FIRST AID PROCEDURES = Skin and eyes or other mucous membranes: Flush with water for at least 15 minutes, seek medical attention if irritation persists; Ingestion: high fluid intake facilitates urinary excretion and relief of edema and temporary elevated blood pressure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE = NA

SECTION VI - REACTIVITY DATA

STABILITY = Stable
HAZARDOUS DECOMPOSITION PRODUCTS = Hydrochloric acid from above acid mixtures with salt; chlorine from reaction of rust removal agent with chlorine-type cleansers.
HAZARDOUS POLYMERIZATION = NONE. Will not occur.

CONDITIONS TO AVOID = Concentrated acids such as sulfuric or nitric; chlorine-type cleansers.

SECTION VII - SPILLS OR LEAKS PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK = Non-hazardous
WASTE DISPOSAL METHODS = Dry to land fill or dissolve in sufficient amounts of water to meet local existing water quality standards

DOT classification = Non-corrosive.
Sweep up and flush with water.

SECTION VIII - SPECIAL PROTECTION & PRECAUTIONS

VENTILATION = Local exhaust not necessary. Mechanical control dust collection may be used.
PERSONAL PROTECTIVE EQUIPMENT = Gloves recommended, eye goggles optional and respirator unnecessary, but all may be used for comfort. Wash hands after handling.
PRECAUTIONS (HANDLING/STORAGE) = Store under DRY (less than 75% R.H.) conditions to prevent CAKING of salt. Store on pallets under protective cover. Do not store bags directly on damp or concrete floors.